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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|-------------------------------|------------------------|
| 10/042,480 | 01/09/2002 | Philip Y. Chang | AUS920010982US1 | 6093 |
| 7590 Frank C. Nicholas CARDINAL LAW GROUP Suite 2000 1603 Orrington Avenue Evanston, IL 60201 | | | EXAMINER WANG, LIANG CHE A | |
| | | | ART UNIT 2155 | PAPER NUMBER |
| | | | MAIL DATE 09/24/2007 | DELIVERY MODE PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|--|-------------------------------------|--|
| Office Action Summary | Application No. 10/042,480 | Applicant(s) CHANG ET AL. | |
| | Examiner Liang-che Alex Wang | Art Unit 2155 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 July 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. Claims 1-17 are presented for examination.
2. Prosecution on the merits of this application is reopened on claims 1-17 in response to amendment filed on 7/03/2007.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
4. Claims 1-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vidyanand, US Patent Number 6,967,728, hereinafter Vidyanand, in view of Mukaiyama et al., US Patent Number 6,631,407, hereinafter Mukaiyama.
5. Referring to claim 1, Vidyanand teaches a method of matching of business to business processes comprising:
 - a. receiving transmission capability (set 16 of printer preferences 18 corresponds to “transmission capability) from a first computer system (first client computer 12a with first printer 26a corresponds to “ a first computer system”) to a second computer system (second client computer 12b with second printer 26b corresponds to “ a second computer system”)(Col 8 lines 45-55, first client computer sends set 16 of printer preferences 18 to second client computer);

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- b. storing transmission capabilities (set 16 of preferences 18 are stored in each client computer, see figure 12);
- c. receiving a request from one of the first and second computer system to interact with the other company (Col 9 lines 33-39, when a client computer wish to send a print job to a remote printer, the other company is “receiving the print request from the client computer to print);
- d. determining at least one translation path between the first and second computer systems based on the transmission capabilities and translation capabilities (preferences) (Col 9 lines 33-52, preferences resolution is required to send print jobs to different companies).

Vidyanand does not teach wherein the first and second computer systems are business companies that are doing business with each other.

Mukaiyama teaches, companies uses computers, printers, fax machines to maintain the conduct of business (Col 1 lines 15-26).

It would have been obvious to a person with ordinary skill in the art at the time the invention was made to have the computer systems (which includes a computer and a printer) of Vidyanand each represents a company as taught by Mukaiyama because Vidyanand teaches a computer system having a personal computer and a printer, and Mukaiyama teaches companies uses computers and fax to conduct business.

A person with ordinary skill in the art would have been motivated to make the modification to Vidyanand because having each computer system representing a

company would allow the system of Vidyanand to expand its capabilities for business use as taught by Mukaiyama (Col 1 lines 16-19).

6. Referring to claim 2, Vidyanand as modified teaches the method of claim 1, wherein the transmission capabilities represent process formats support by each company (each set 16 of preferences 18 represents a process formats support by each company, figure 11).
7. Referring to claim 3, Vidyanand as modified teaches the method of claim 2, further comprising storing transmission capabilities in a managed hub (set 16 of preferences 18 are stored in printer driver 14, driver 14 corresponds to the “managed hub”).
8. Referring to claim 4, Vidyanand as modified teaches the method of claim 1, wherein the translation capabilities represent mapping from one data format to another (Col 9 lines 40-52, figures 12 and 13).
9. Referring to claim 5, Vidyanand as modified teaches the method of claim 4 further comprising storing the translation capabilities in a managed hub (preferences 18 are stored in printer driver 14, driver 14 corresponds to the “managed hub”).
10. Referring to claim 6, Vidyanand as modified teaches the method of claim 1, wherein the request from one of the first and second companies is regarding any business to business computer transaction (figure 11, print jobs among two companies corresponds to “business to business computer transaction”).
11. Referring to claim 7, Vidyanand as modified teaches the method of claim 1, wherein the translation path represents a number of data transformation and process translation capabilities (figures 12 and 13).

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12. Referring to claims 8-17 claims 8-17 encompass the same scope of the invention as that of the claims 1-7. Therefore, claims 8-17 are rejected for the same reason as the claims 1-7.

Conclusion

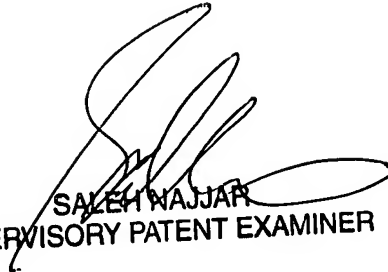
13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Applicant is reminded that in amending in response to a rejection of claims, the patentable novelty must be clearly shown in view of the state of the art disclosed by the references cited and the objection made. Applicant must show how the amendments avoid such references and objections. See 37 CFR 1.111(c).
14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Liang-che Alex Wang whose telephone number is (571)272-3992. The examiner can normally be reached on Monday thru Friday, 8:30 am to 5:00 pm.
15. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on (571)272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
16. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you

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have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Liang-che Alex Wang
August 29, 2007

Lc Wang


SALEH WAJJAR
SUPERVISORY PATENT EXAMINER